building pressure apparatus comprising: and a heating, cooling, air-conditioning (HVAC) system, an internal

- a) at least one pressure sensor per floor on at least two of said
- b) a connection means for connecting to the pressure sensors; and multiple floors;
- c) an analysis means connected to said pressure sensors for one pressure reading from one floor with another pressure receiving input from said pressure sensors and comparing at least building and for providing sensor data output. reading from at least one of the other multiple floors of saic
- a control systom connected to said analysis means and to said <del>aach floor by controlling the operation of the HVAC system so as</del> HV/AC system wherein sald control system regulates, pressure on
- (Canceled)
- group of outputs including sensor data output from adjacent floors and sensor data output from non-adjacent floors multiple floors and said analysis means provides sensor data output form a (Original) The apparatus of claim 1 wherein said building includes
- and minimum, for a particular floor, for a partion of a particular floor and output includes output from a group including maximum pressure, 4. (Currently amended) The apparatus of claim 1 wherein said sensor data the building as a whole, minimum pressure, average pressure and pressure in-between maximum
- (Original) The apparatus of claim 1 further comprising at least one

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output includes output from a group including total internal building pressure sensor outside of said building and wherein said sensor data portion of a particular floor and outside pressure pressure, internal pressure of a particular floor, internal pressure of a between floor pressure only.

- includes output from a group including within wall pressure only and (Original) The apparatus of claim 1 wherein said sensor data output
- plurality of pressure sensors per floor. 7. (Original) The apparatus of claim 1 wherein element a) includes a
- pressure sensors on walls, floors and ceilings (Original) The apparatus of claim 1 wherein element a) includes
- building. in a room, corridor, hall and foyer and any other Interstitial space of said including within a wall cavity, within a floor cavity, within a ceiling cavity, one pressure sensor is placed in a location selected from a group (Currently amended) The apparatus of claim 1 wherein said at least
- pressure apparatus comprising floors and a heating, cooling, air-conditioning (HVAC) system for controlling temperature, ventilation or humidity, an internal building 10. (Currently amended) In a building with multiple walls and multiple
- a) at least one pressure sensor on at least mare than one two of said multiple floors;
- c) an analyzer connected to said pressure sensors for receiving b) a seansetor connecting connection to the pressure sensors; and

input from said pressure sensors and comparing at least one pressure reading from one floor with another pressure reading from at least one of the other multiple floors of said building and for providing sensor data output: and.

d) a controllar connected to the analyzer for controlling the pressure in said building in response to sensor data output from said analyzer by controlling the operation of the HVAC system so as to attain a desired pressure on at least one of said multiple fleers.

## 11. (Canceled)

12. (Original) The apparatus of claim 10 wherein said building includes multiple floors and said analyzer provides sensor data output form a group of outputs including sensor data output from adjacent floors and sensor data output from non-adjacent floors.

13. (Currently amended) The apparatus of clalm 10 wherein said sensor data output includes output from a group including maximum pressure, minimum pressure, average pressure and pressure in-between maximum and minimum, for a particular floor, for a particular of a particular floor and the building as a whole.

14. (Original) The apparatus of claim 10 further comprising at least one pressure sensor outside of said building and wherein said sensor data output includes output from a group including total internal building pressure, internal pressure of a particular floor, internal pressure of a portion of a particular floor and outside pressure.

16. (Original) The apparatus of claim 10 wherein element a) includes a plurality of pressure sensors per floor.

 (Original) The apparatus of claim 10 wherein element a) includes pressure sensors on walls, floors and cellings.

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18. (Currently amended) The apparatus of claim 10 wherein said at least one pressure sensor is placed in a location selected from a group including within a wall cavity, within a floor cavity, within a ceiling cavity, in a room, corridor, hall and foyer and any other interstitial space of said building.

19. (Currently amended) In a building with <u>multiple</u> walls and multiple floors and a heating, cooling, air-conditioning (HVAC) system, a-method-ef-controlling an internal building pressure method, the method comprising the steps of:

 a) providing at least one pressure sensor on at least mere than one two of said multiple floors;

b) connecting to the pressure sensors;

c) affaching an analyzer to said pressure sensors for receiving input from said pressure sensors and comparing at least one pressure reading from one floor with another pressure reading from at least one of the other multiple floors of said building and for providing sensor data output; and.

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and regulating the pressure in said building on each floor inresponse to sensor data output from said analyzer by controlling the operation of the HVAC system so as to attain a desired pressure on at least one of said multiple floors.

# 20. (Withdrawn)

21. (Original) The method of claim 19 wherein said building includes multiple floors and said analyzer provides sensor data output form a group of outputs including sensor data output from adjacent floors and sensor data output from non-adjacent floors.

22. (Currently amended) The method of claim 19 wherein said sensor data output includes output from a group including maximum pressure, minimum pressure, average pressure and pressure in-between maximum and minimum, for a particular floor, for a particular of a particular floor and the building as a whole.

23. (Original) The method of claim 19 further comprising the step of providing at least one pressure sensor outside of said building and wherein said sensor data output includes output from a group including total internal building pressure, internal pressure of a particular floor, internal pressure of a portion of a particular floor and outside pressure.

24. (Original) The method of claim 19 wherein said sensor data output Includes output from a group including within wall pressure only and between floor pressure only.

25. (Original) The method of claim 19 wherein step a) Includes providing a

plurality of pressure sensors per floor.

pressure sensors on walls, floors and cellings (Original) The method of claim 19 wherein step a) includes providing

step of placing pressure sensors at locations selected from a group In a room, corridor, half and foyer and any other interstitial space of said including within a wall cavity, within a floor cavity, within a ceiling cavity, (Currently amended) The method of claim 19 further comprising

system and controlling the pressure on at least one of the multiple floors in operation of the HVAC system so as to attain a desired pressure on at attaching a controlling means to the analyzing means and the HVAC least one of said multiple floors. response to sensor data output from sald analyzer by controlling the (New) The apparatus of claim 1 further comprising the steps of

at least one dynamic pressure sensor to measure the direction and multiple floors velocity of air as it flows between at least two adjacent floors of said (New) The apparatus of claim 1 wherein element a) involves providing

said dynamic pressure sensor between non-adjacent floors, of said to allow them to communicate their dynamic pressure difference multiple floors, utilizing tubes or the like between these non-adjacent floors (New) The apparatus of claim 1 wherein element a) involves providing

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31. (New) The apparatus of claim 1 wherein said sensor data output includes choosing the output form a group including dynamic building

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skin pressure or between floor dynamic pressure

- pressure sensors are utilized (New) The apparatus of claim 31 wherein a plurality of dynamic
- (New) The apparatus of claim 1 utilizing a computer
- storage medium to store the instructions 34. (New) The apparatus of claim 1 utilizing computer readable data
- attaching a controller to the analyzer and the HVAC system and HVAC system so as to attain a desired pressure on at least one of said sensor data output from said analyzer by controlling the operation of the controlling the pressure on at least one of the multiple floors in response to (New) The apparatus of claim 10 further comprising the steps of multiple floors.
- and velocity of air as it flows between at least two adjacent floors of said providing at least one dynamic pressure sensor to measure the direction multiple floors. (New) The apparatus of claim 10 wherein element a) involves
- providing said dynamic pressure sensor between non-adjacent floors, of floors to allow them to communicate their dynamic pressure difference said multiple floors, utilizing tubes or the like between these non-adjacent (New) The apparatus of claim 10 wherein element a) involves
- includes choosing the output form a group including dynamic building skin pressure or between floor dynamic pressure (New) The apparatus of claim 10 wherein said sensor data output

pressure sensors are utilized. 39. (New) The apparatus of claim 38 wherein a plurality of dynamic

40. (New) The apparatus of claim 10 utilizing a computer

storage medium to store the instructions 41. (New) The apparatus of claim 10 utilizing computer readable data

HVAC system so as to attain a desired pressure on at least one of said sensor data output from said analyzer by controlling the operation of the controlling the pressure on at least one of the multiple floors in response to attaching a controller to the analyzer and the HVAC system and 42. (New) The method of claim 19 further comprising the steps of multiple floors.

at least one dynamic pressure sensor to measure the direction and 43. (New) The method of claim 19 wherein element a) involves providing multiple floors. velocity of air as it flows between at least two adjacent floors of said

to allow them to communicate their dynamic pressure difference multiple floors, utilizing tubes or the like between these non-adjacent floors said dynamic pressure sensor between non-adjacent floors, of said 44. (New) The method of claim 19 wherein element a) involves providing

skin pressure or between floor dynamic pressure includes choosing the output form a group including dynamic building 45 . (New) The method of claim 19 wherein sald sensor data output

46. (New) The method of claim 45 wherein a plurality of dynamic pressure sensors are utilized.

47. (New) The method of claim 19 utilizing a computer

48. (New) The method of claim 19 utilizing computer readable data storage medium to store the instructions.

### MARKS

Applicant thanks the Examiner for taking the time to review Applicant's invention and proposed amendments. Applicant respectfully requests reconsideration and Allowance of Claims 1, 3, 5-7, 9, 10, 12, 14-16, 18, 19, 21, 23-25 and 27, plus new claims 28-62, in view of the amendments above and the following arguments.

Applicant also thanks the Examiner and his Supervisor for allowing the phone conversations Applicant was NOT attempting to get help in writing his claims, just assist him in determining what wording best communicated the invention, to the Examiner and his Supervisor. It is frustrating to know that I discovered something and be unable to effectively communicate if to you, I apologize if my enthusiasm became inappropriate in any way. Through these conversations, Applicant sees that he must go the extra mile and sacrifice brevity for thoroughness and leave NO stone unturned. Therefore, I apologize in advance for the length of this reply.

# 35 US.C. § 102 REJECTION

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